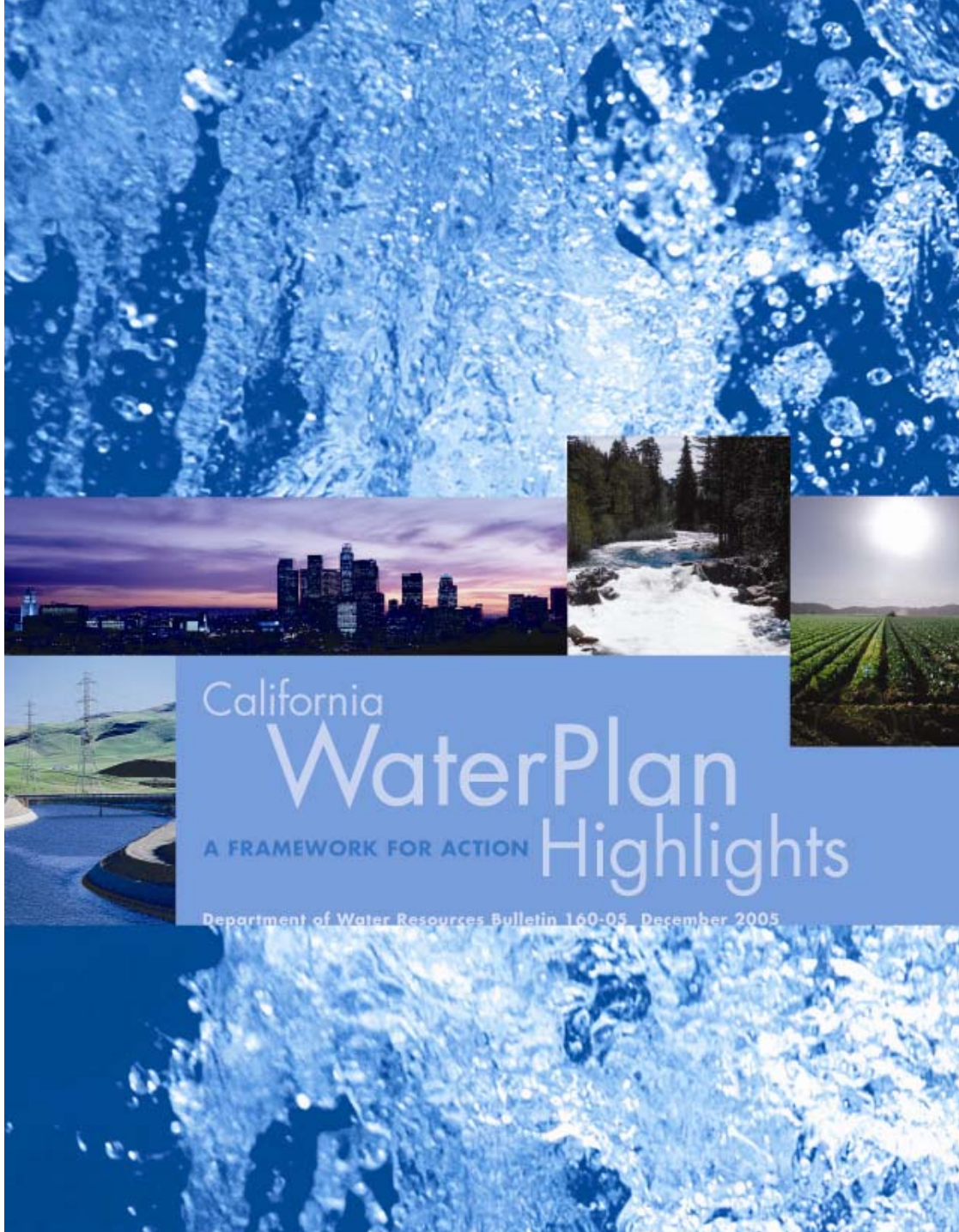
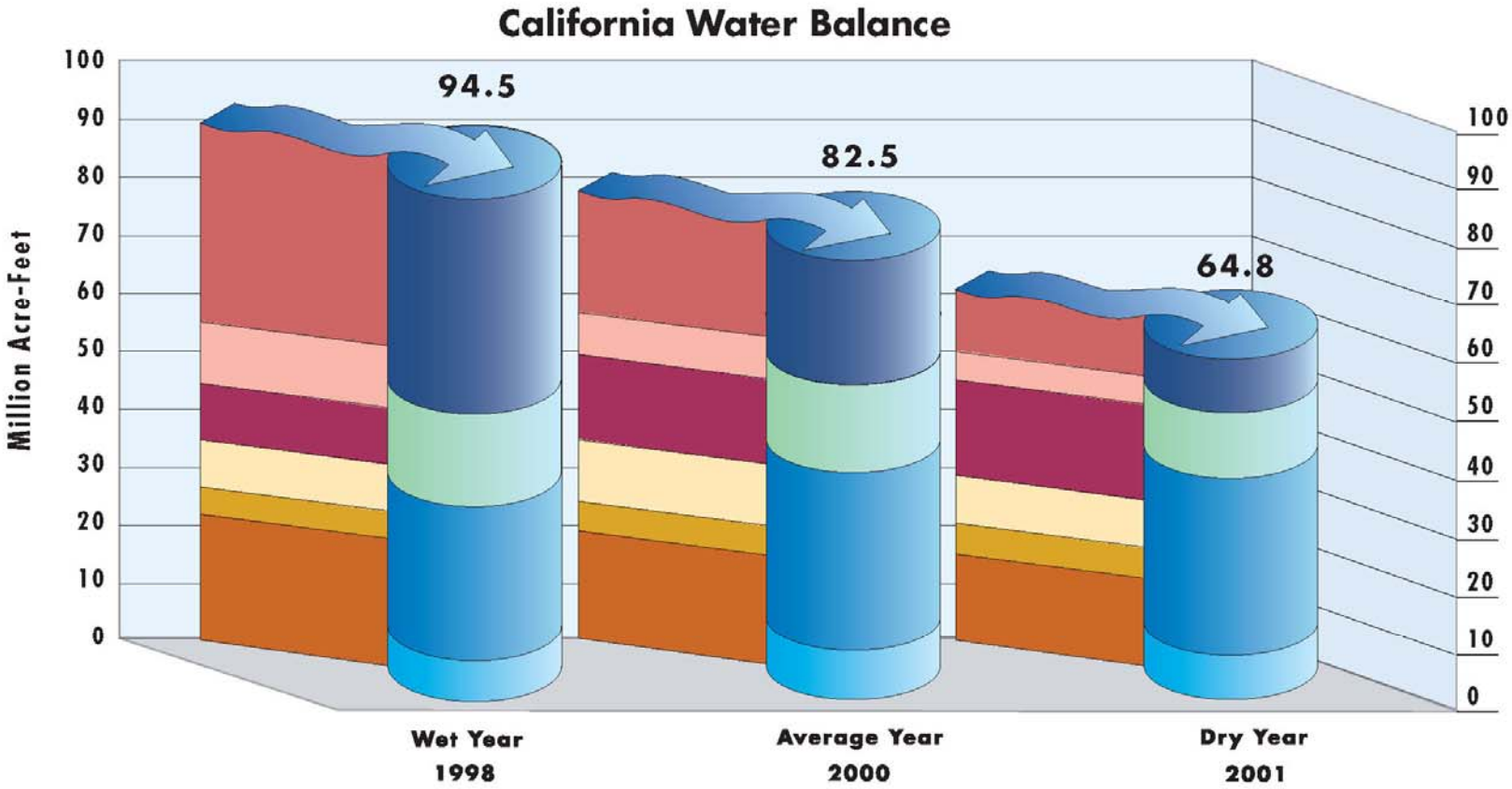
Final
California Water Plan
Update 2005

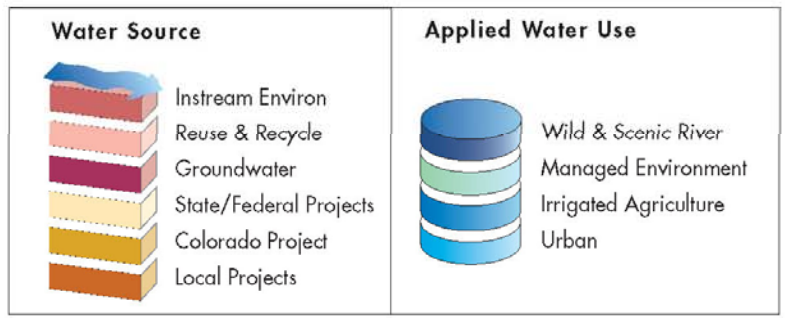
Water Plan
Advisory Committee
December 9, 2005

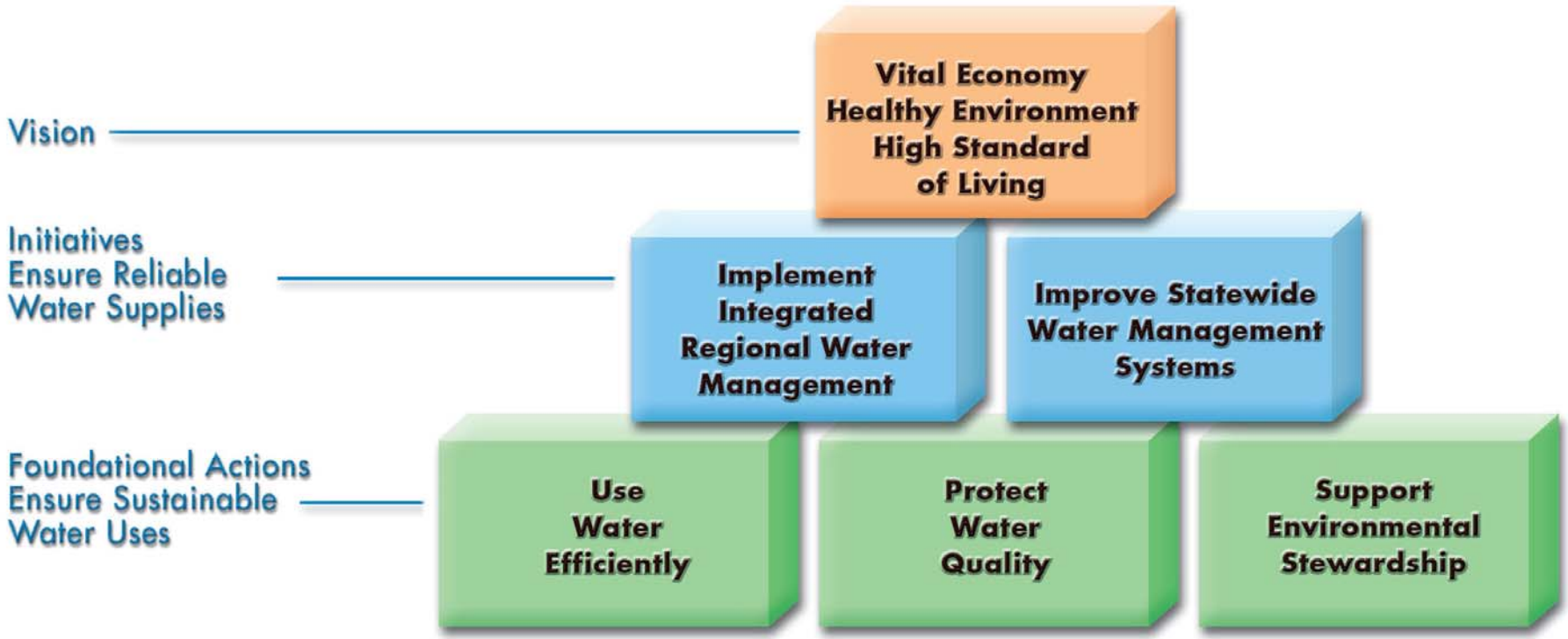


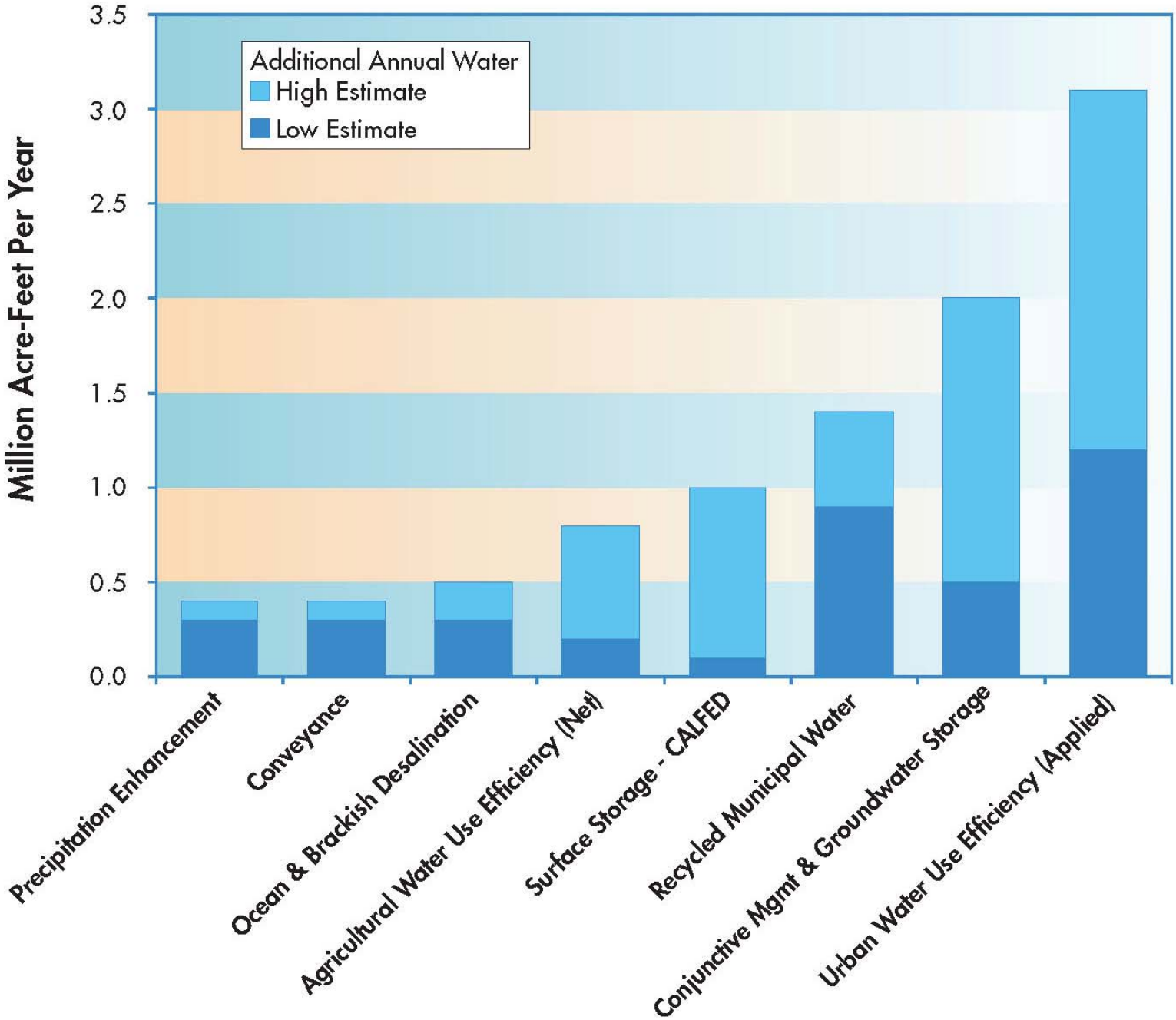
Water Plan Highlights



California's water balance can vary significantly from year to year. Three recent years show a marked change in the amount and relative proportion of the following: water delivered to urban and agricultural sectors and water dedicated to the environment (applied water use); where the water came from (water source); and how much water was reused among sectors. Each year, applied water is only a portion of California's total precipitation and inflows. The rest—about 120 maf in an average year—either evaporates, is used by native vegetation, provides rainfall for agriculture and managed wetlands, or flows out of state or to salt sinks. (See Volume 3 for state and regional waterflow charts.)




Vision
Vital Economy
Healthy Environment
High Standard
of Living
Initiatives
Ensure Reliable
Water Supplies
Implement
Integrated
Regional Water
Management
Improve Statewide
Water Management
Systems
Foundational Actions
Ensure Sustainable
Water Uses
Use
Water
Efficiently
Protect
Water
Quality
Support
Environmental
Stewardship


Additional Annual Water
High Estimate
Low Estimate
Million Acre-Feet Per Year
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Precipitation Enhancement
Conveyance
Ocean & Brackish Desalination
Agricultural Water Use Efficiency (Net)
Surface Storage - CALFED
Recycled Municipal Water
Conjunctive Mgmt & Groundwater Storage
Urban Water Use Efficiency (Applied)

Title & Caption in Highlights

- **Title**
  - Range of Additional Annual Water for Eight Resource Management Choices

- **Caption**
  - This graph shows the potential range of more water demand reduction and supply augmentation each year for eight resource management strategies. Low estimates are shown in the lower (dark blue) section of each bar. Estimates are from different studies described in Volume 2.

Volume 1
Strategic Plan

Table 3-1 CA Water Summary

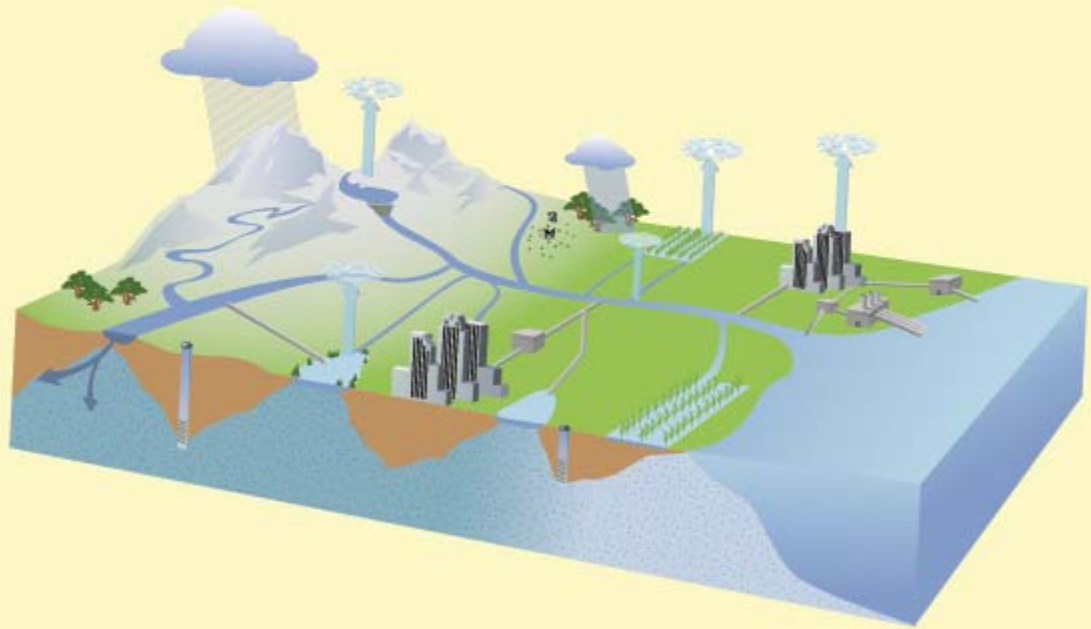
Table 3-1 California water summary (maf)

	1998 (171% of normal)[a]	2000 (97% of normal)[a]	2001 (72% of normal)[a]
Total supply (precipitation & imports)	336.9	194.7	145.5
Total uses, outflows, & evaporation	331.5	200.4	159.9
Net storage changes in state	5.5	-5.7	-14.3
Distribution of dedicated supply (includes reuse) to various applied water uses			
Urban uses	7.8 (8%)	8.9 (11%)	8.6 (13%)
Agricultural uses	27.3 (29%)	34.2 (41%)	33.7 (52%)
Environmental water[b]	59.4 (63%)	39.4 (48%)	22.5 (35%)
Total dedicated supply	**94.5**	**82.5**	**64.8**

maf = million acre-feet

a. Percent of normal precipitation. Water year 1998 represents a wet year; 2000, average water year; 2001, drier water year.

b. Environmental water includes instream flows, wild and scenic flows, required Delta outflow, and managed wetlands water use. Some environmental water is reused by agricultural and urban water users.



Key components of the illustrated flow diagram are shown as characteristic elements of the hydrologic cycle. Volume 3 Regional Reports has flow diagrams for statewide water summary (in Chapter 1) and for regional water summaries in their respective chapters.

Fig. 3-6 Regional Inflows & Outflows for 2000

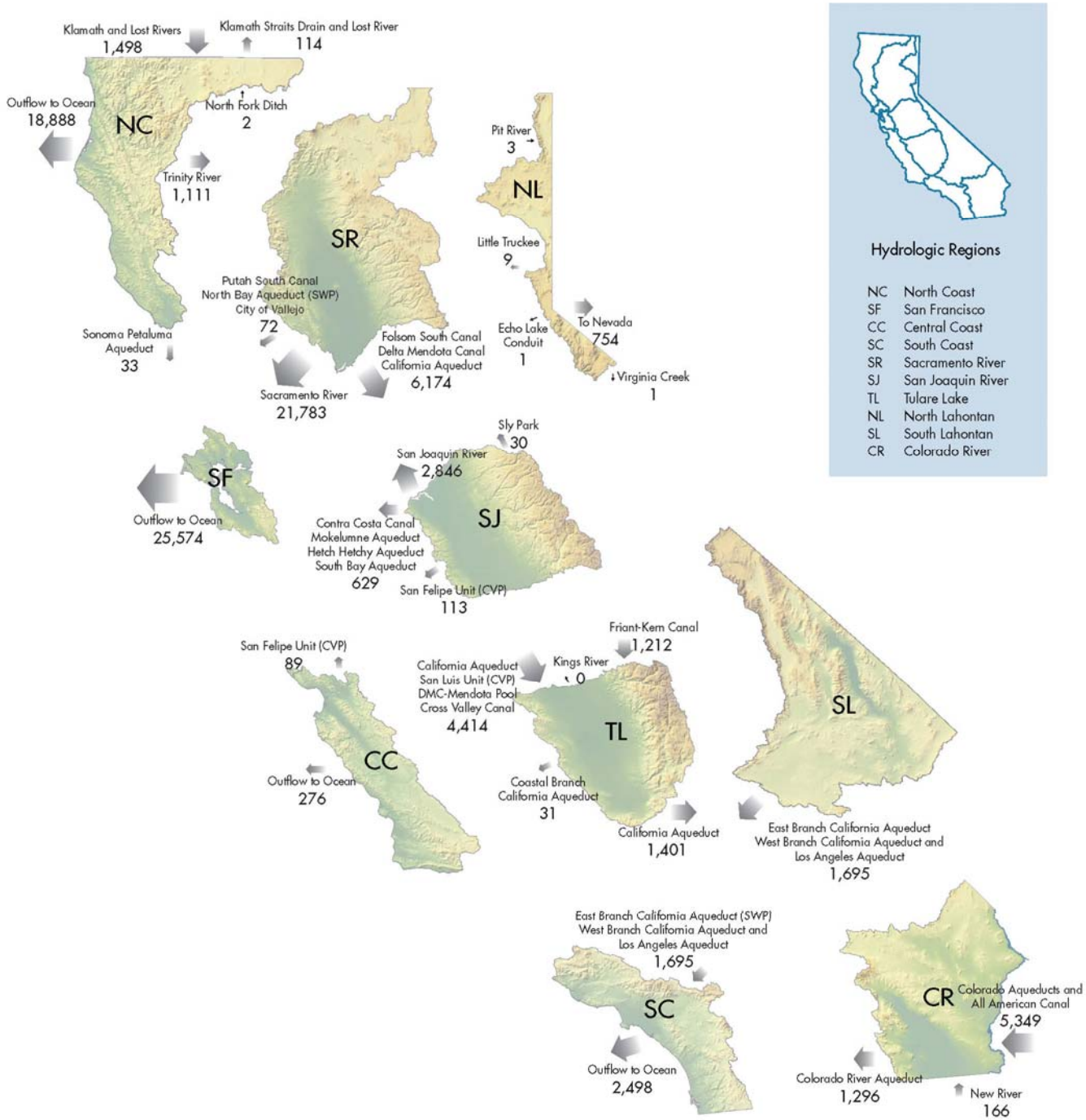
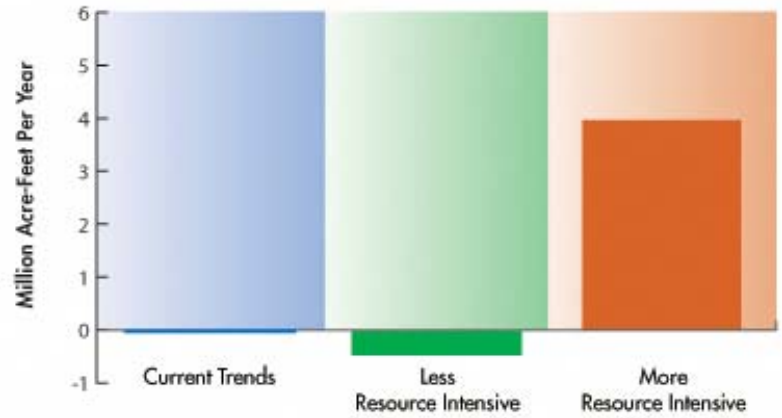


Fig. 4-2 Statewide Water Demand Changes

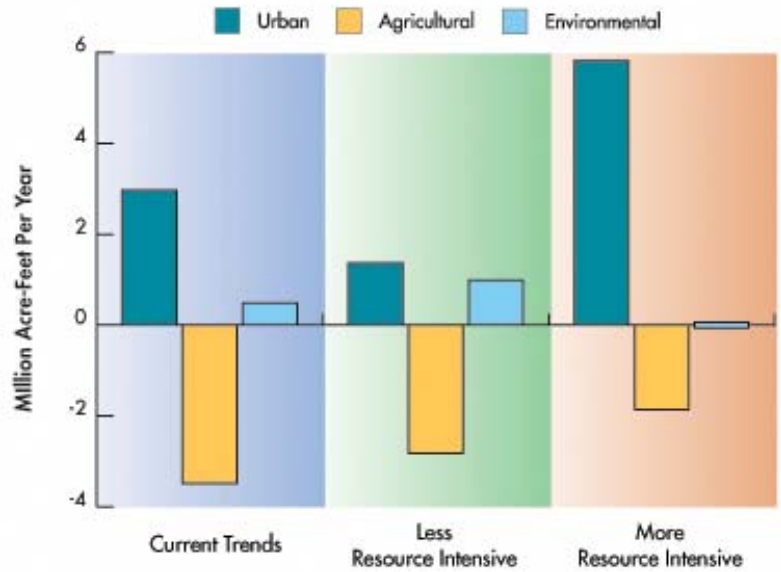
Figure 4-2 Net changes statewide in average-year water demand for baseline scenarios, 2000–2030



Water demands may change between 2000 and 2030 for average water conditions. Statewide water demand changes are shown for three baseline scenarios.

Fig. 4-3 Demand Changes by Sector

Figure 4-3 Net changes statewide in average-year water demand for baseline scenarios by sector, 2000–2030



Water demands may change between 2000 and 2030 for average water conditions. Water demand changes are shown by water use sector statewide for three baseline scenarios.

Fig. 4-4 Scenario Demand Changes by Region (maf/year)

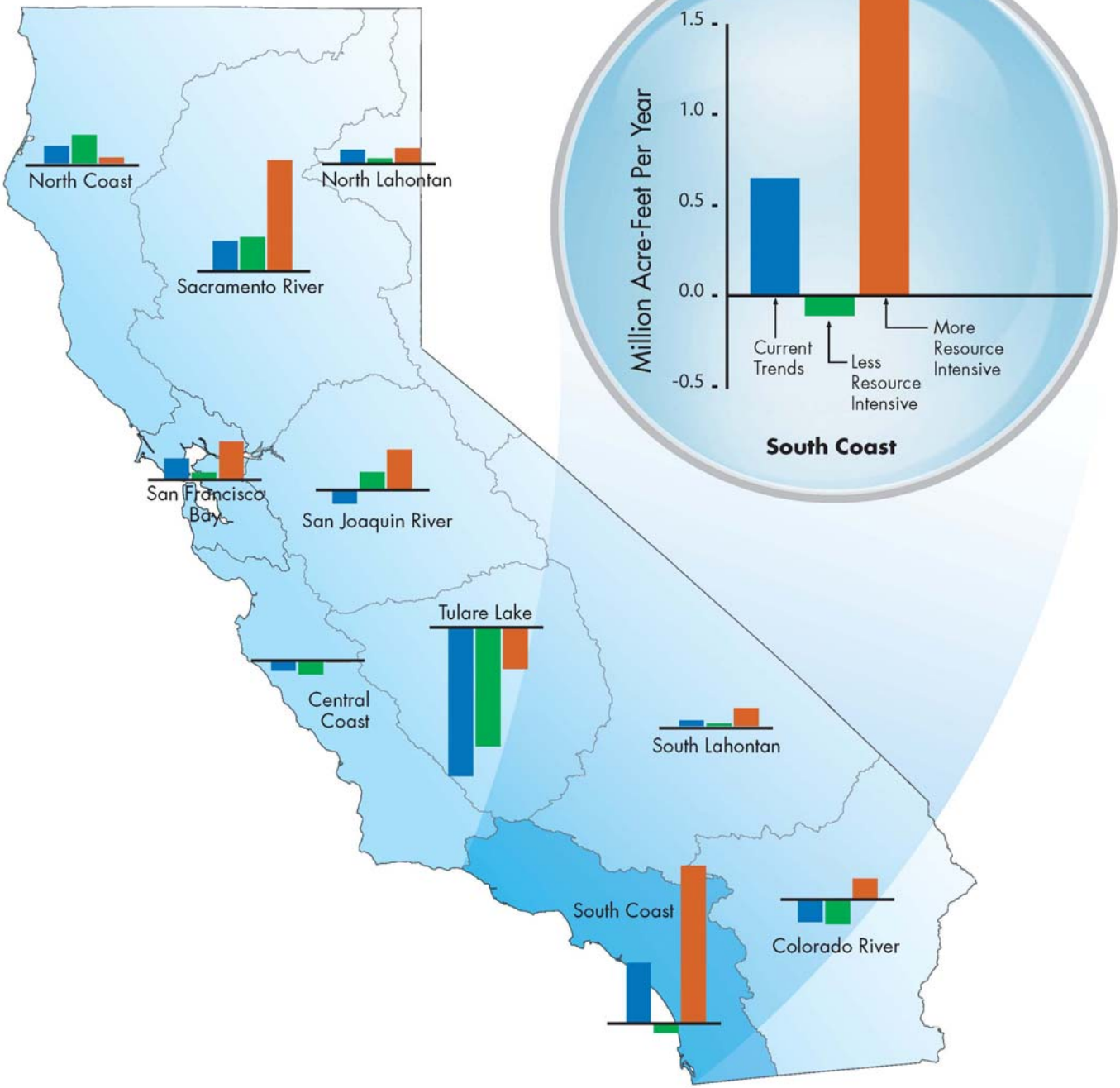
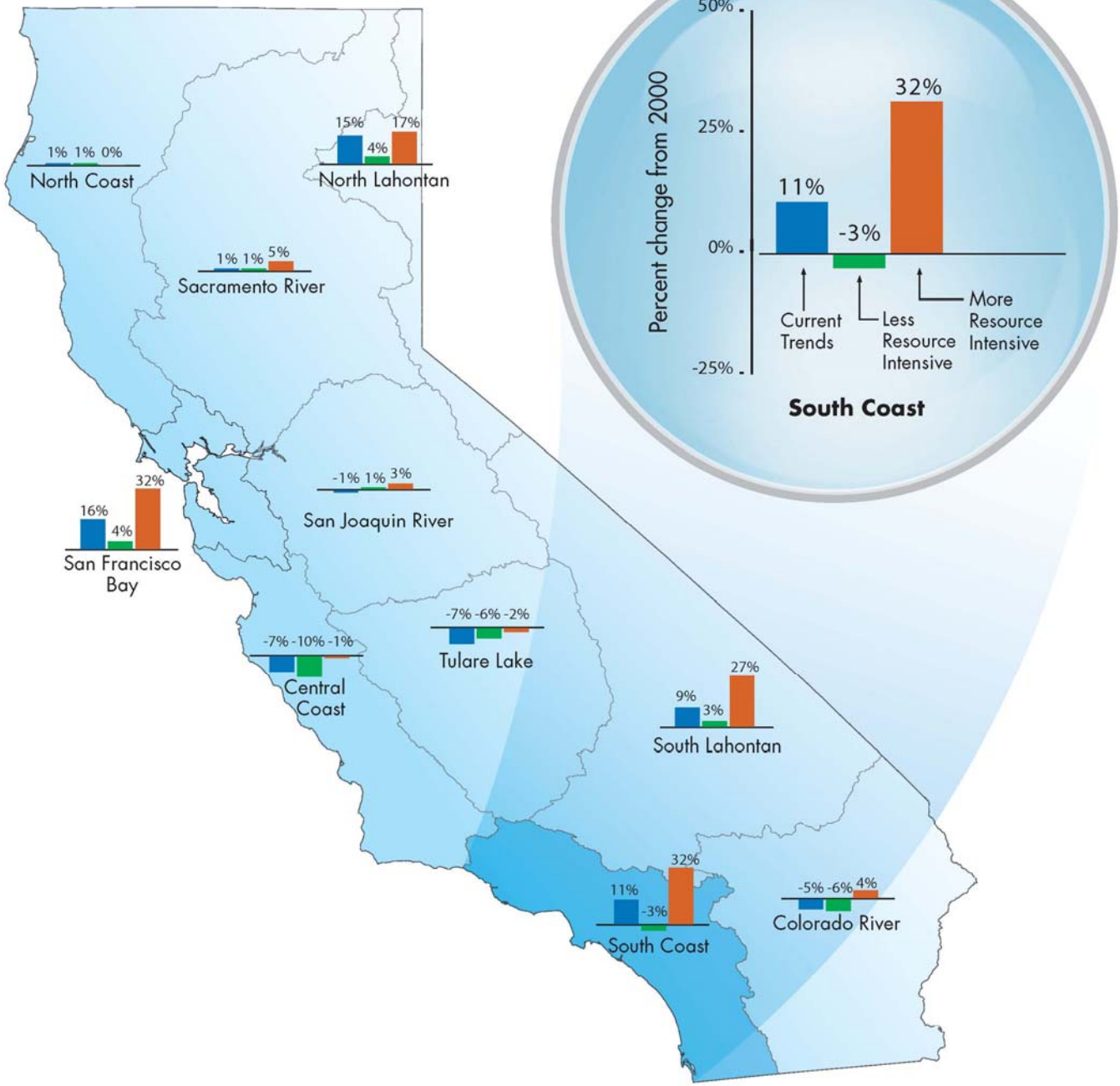
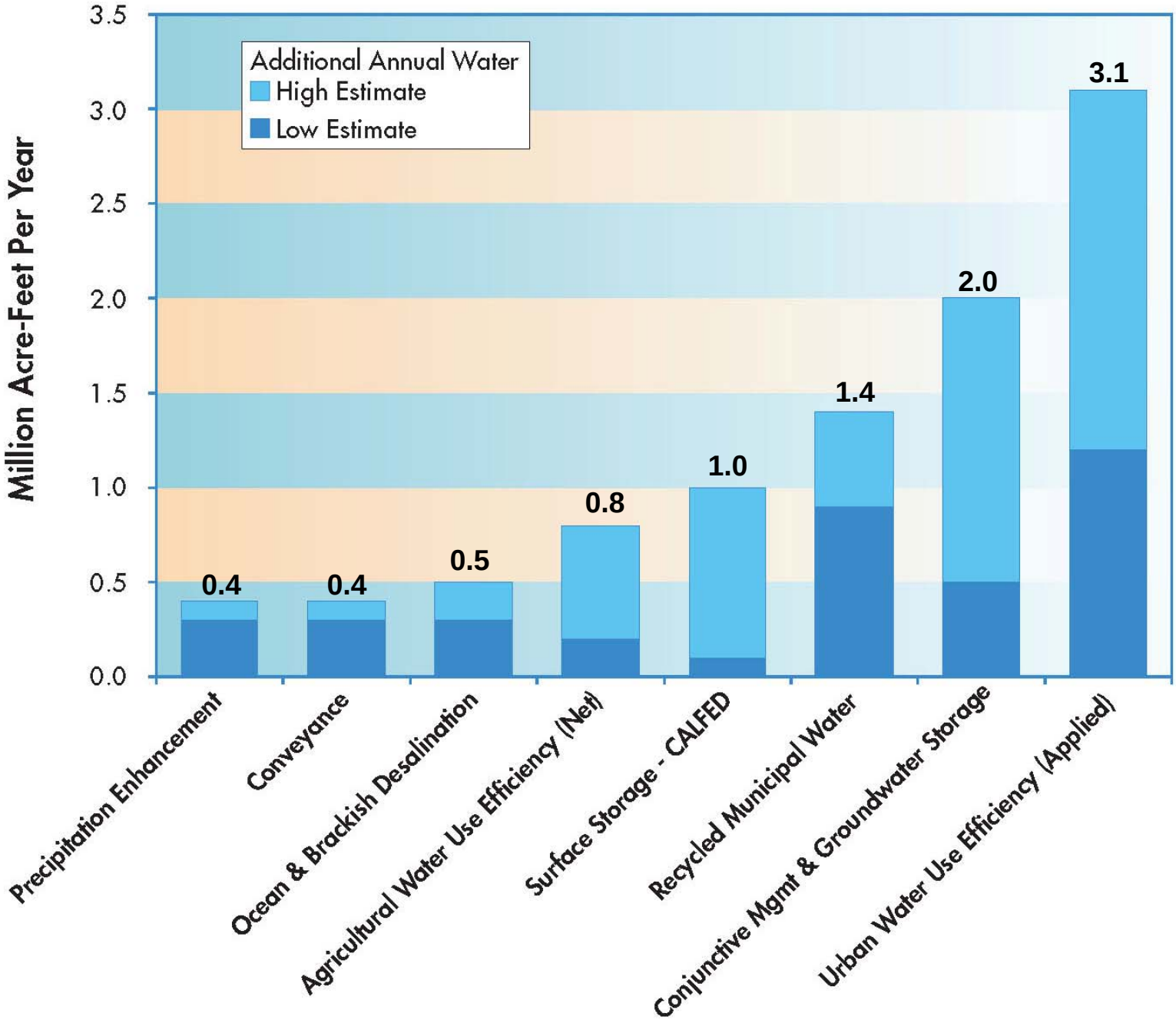


Fig. 4-5 Percent Change of Regional Demand



Volume 2
Resource Management Strategies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Recycled Municipal Water
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Urban Water Use Efficiency (Applied)

Title & Caption in Volume 2

- **Title**
  - Range of Additional Annual Water for Eight Resource Management Choices

- **Additional Caption**
  - The water supply benefits of the resource management strategies are not additive. As presented here, urban water use efficiency includes reduction in both consumptive and non-consumptive uses (or applied water), whereas agricultural water use efficiency only includes reduction in consumptive uses (or net water).

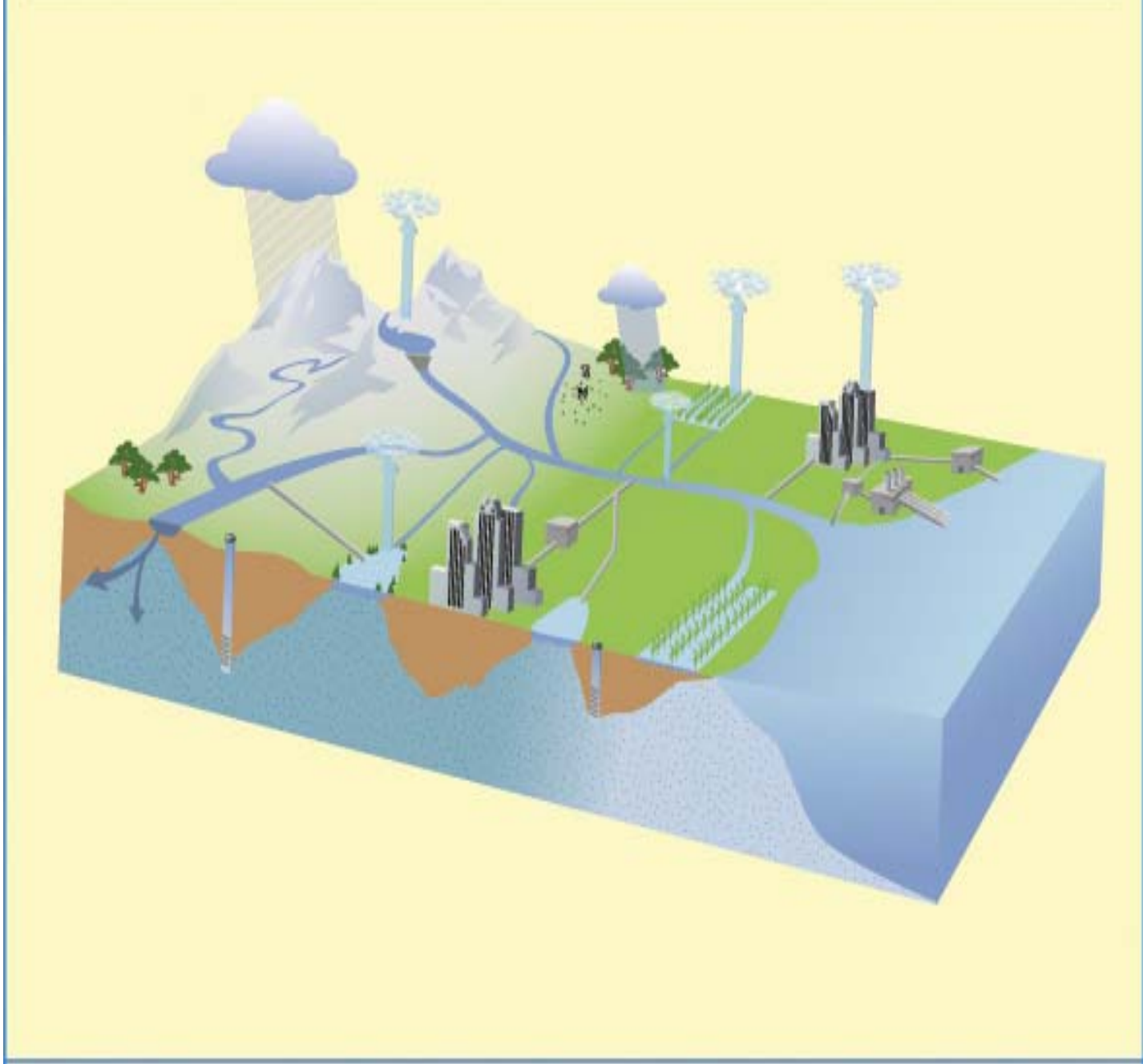
Volume 3
Regional Reports

Volume 3
Water Portfolio Layout

- **Graphical Legend for Portfolio Table**
  - Illustrated Flow Diagram
  - Schematic Flow Diagram

- **Water Portfolio Table of Numbers**
  - Numbered labels link Flow Diagrams and Portfolio Tables

Illustrated Flow Diagram



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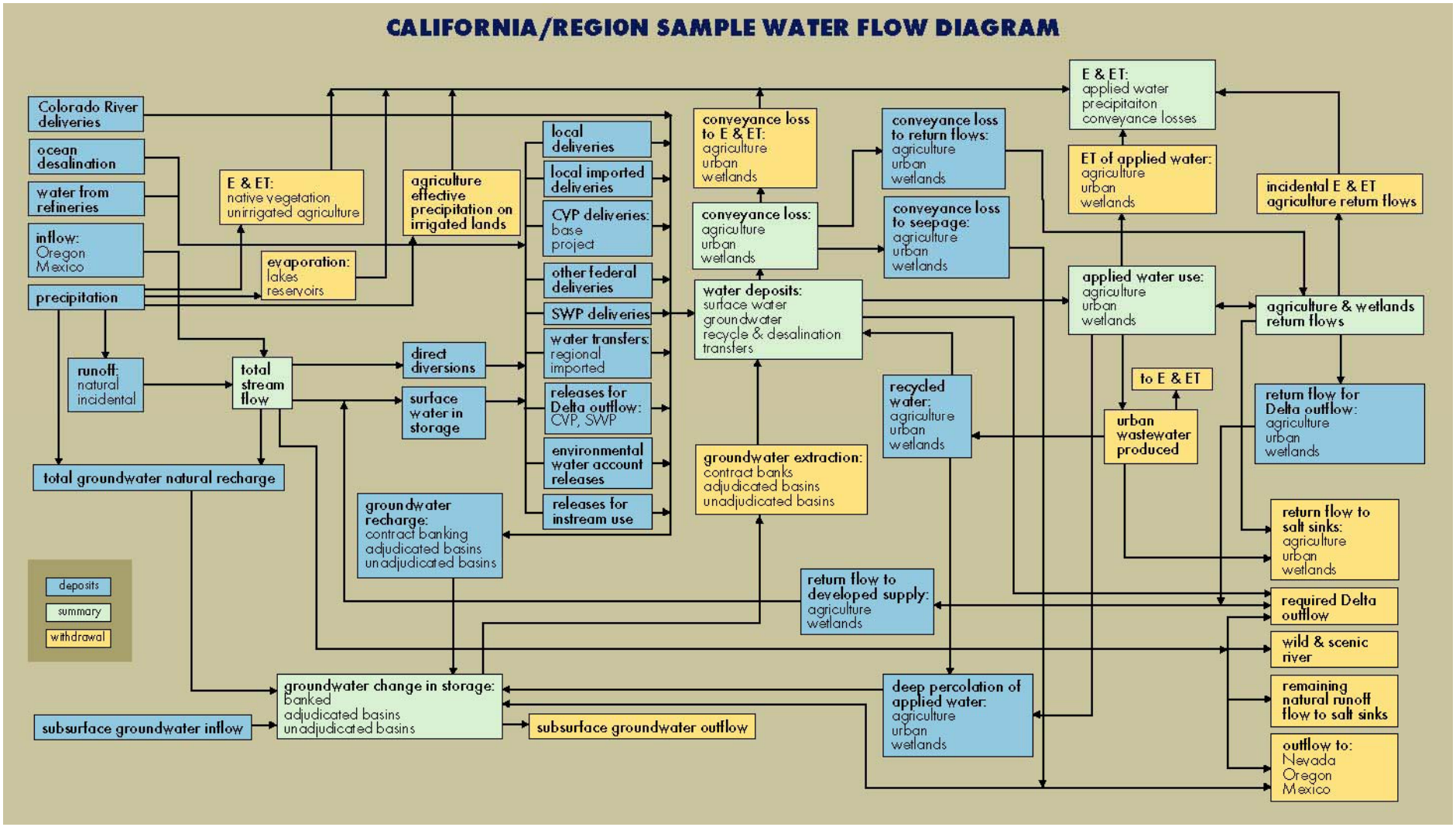
Water Flow Diagram



Volume 4
Reference Guide